

INSULATED PANELS



EiP

الامارات لصناعة اللواح العازلة
Emirates Industrial Panel

Introduction

EIP was established in Dubai to meet the ever-growing market demand for high quality **insulated panels**. Emirates Industrial Panel manufactures pre-insulated metal panels that are ideal for **roof / façade cladding, internal partitioning** and **cold store constructions**.

Having an **efficient network** of affiliated companies in the MENA region, EIP is able to undertake **comprehensive cold store** as well as **architectural roof & façade** cladding projects. EIP is very much the one-stop solution for all your insulation and cladding requirements.

Why choose EIP:

- Local supply with certified quality
- State-of-the-art, continuous production line from Germany
- Fully-automated production eliminating human error & defects
- Large production capacity, short delivery time
- Environment friendly blowing agent: n-pentane
- Better than average insulation values, highly recyclable
- Fire-resistant panels with PIR foam
- Dubai Central Lab approved production in line with ISO procedures



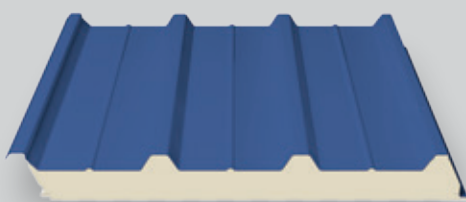


Product Range

EIP offers the following range of products and services, to provide complete solutions for the construction and controlled environment industries.

- Sandwich Panels (Insulated metal panels)
- Flashings & Accessories
- Industrial insulated doors
- Engineering & On-site Services

Sandwich Panels

Production range can be grouped under 3 main application areas :

APPLICATION	PANEL	PROPERTIES
Roof Cladding EIP TRP Panels		<ul style="list-style-type: none">• Corrugated roof panel with ribs for improved load-bearing• High load bearing capacity and strength• 1000 mm effective cover width• 2000 mm min length, 18000 mm max length
Facade Cladding EIP HFW Panels		<ul style="list-style-type: none">• Hidden-fix façade wall panel with light profilation• Aesthetic, seamless look, unmarred by screw heads• Variety of surface profiles available• 1000 mm effective cover width• 2000 mm min length, 18000 mm max length
Cold Store EIP CSP Panels		<ul style="list-style-type: none">• Fire-rated tongue-groove joint panel with light profilation• Special joint geometry for increased stability and maximum thermal insulation• Functional solution for internal partitioning• 1110 mm effective cover width• 2000 mm min length, 18000 mm max length

Introduction



All EIP panels are available with FM Approved fire-resistant PIR insulation core :

- Preserve their insulation and structural integrity
- Do not spread flame
- Self extinguish if the fire source is removed
- Give off minimal smoke

Complementary Products & Services

EIP offers a wide range of complementary products to complete project requirements:

Flashings and Installation Accessories: EIP's in-house flashing production facility manufactures custom made flashings tailored to meet your project's variable requirements. Interior and exterior flashings are made using the same material and finish as those used on the supplied panels to achieve a seamless look and uniformity in colour & shade. Beside metal flashings, PVC covings for inner and outer corners are also available for improved hygiene as well as a variety of different fixing materials.

EIP Industrial Insulated Doors: These are available in various sizes and specifications and provide access to the various parts of the building while maintaining the insulation integrity of the structure.

Engineering and On-Site Services: Starting from estimation of the panel requirements of a project, EIP is able to provide detailed engineering and on-site services, including installation of the panels at the job site by certified installers. Kindly contact our office for all your requirements.

Technical Data

Insulation Core:

- FM Approved Fire-Resistant Polyisocyanurate (PIR) foam
- Flame retardant (PUR or PIR) B2 class
- Polyurethane (PUR) B3 class
- Thermal Conductivity: $\lambda_{PUR} = 0.023 \text{ W/mK}^1$ & $\lambda_{PIR} = 0.021 \text{ W/mK}^1$

Blowing Agent: Environment friendly pentane gas with Zero Ozone Depletion Potential (ODP) and Low Global Warming Potential (GWP). It does not contain CFC or HCFC.

Metal Facers: Standard facers are prepainted hot-dip galvanized steel . Available options are:

- Aluzinc-coated steel
- Stainless steel (SS 304 or SS 316 Grade)
- Aluminum

Top Coat: Standard top finish is Polyester in RAL9002 colour. Available options, along with any colour from the RAL catalogue, are:

- High Durable Polyester
- PVDF
- PolyDura
- Food Safe
- Plastisol
- Mill finish bare metal



¹As per foam laboratory values



EIP

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